

Name: _____ Date: _____ Pd: _____



Mixture HW #1

Mr. Nestle and Ms. Swiss Miss each have a mixture of hot chocolate and they want to combine their mixtures to create 24 liters of 5% dark chocolate. Mr. Nestles' mixture is 4% dark chocolate and Ms. Swiss Miss' mixture is 8% dark chocolate. How many liters of Mr. Nestles' mixture will they need? How many liters of Ms. Swiss Miss' mixture?

a. Predict - Whose mixture will they need more of?

b. Define variables that make sense for the situation.

c. Write AND SOLVE a system of linear equations. Show all work.

d. Check your answers via SUBSTITUTION and REALITY.

e. Write your final answers with LABELS.

